



## iATC 29C48 FEATURE CONTROL COMBO

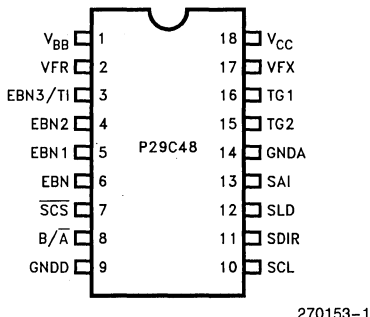
- External and User Programmable Transmit and Receive Gain
- Programmable External Hybrid Balance Network Select
- Programmable Analog, Digital and Subscriber Loopback
- Programmable  $\mu$ /A-Law Select
- Secondary Analog Input Channel
- Low Power Consumption
- External Tone Injection to Receive Path
- SLD A/B Channel Select (for 16 Channel Line Cards)

The Intel iATC 29C48 Feature Control Combo is a low cost, user-programmable, fully integrated PCM Codec with transmit/receive filters fabricated in a CMOS technology. This technology is built on CHMOS and will allow the 29C48 to realize the same excellent transmission performance as in the Intel 2913/2914 combo while achieving the low power consumption typical of CMOS circuits.

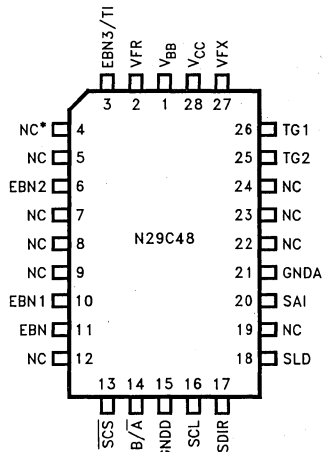
The 29C48 supports the analog subscriber with a variety of added per-line features to the normal BORSCHT functions associated with the analog line circuit. Some of these features include secondary analog input channel, programmable transmit and receive gain, custom hybrid balancing network selection, and programmable  $\mu$  or A-law conversions. Additionally, the 29C48 can operate on either the A or B channel of the SLD interface, allowing two combos to be connected to one SLD link. In order to facilitate the SLIC interface in this configuration, the 29C48 generates SLIC chip select signals for the proper routing of signaling information.

A unique feature of the 29C48 is programmable tone injection. This feature and its SLD interface makes it particularly easy to use in conjunction with Intel's advanced transceivers, such as the iATC 29C53AA, in subscriber equipment environments. The 29C53AA handles transfer of voice and feature control information to the 29C48.

18-Lead Plastic Dual-In-Line Package



28-Lead Rectangular  
Plastic Leaded Chip Carrier



\*Not connected

Figure 1. Pin Configurations

The complete document for this product is available on Intel's "Data-on-Demand" CD-ROM product. Contact your local Intel field sales office, Intel technical distributor, or call 1-800-548-4725.